



Chicago Pneumatic



Industrial Air Compressors

People. Passion. Performance.



























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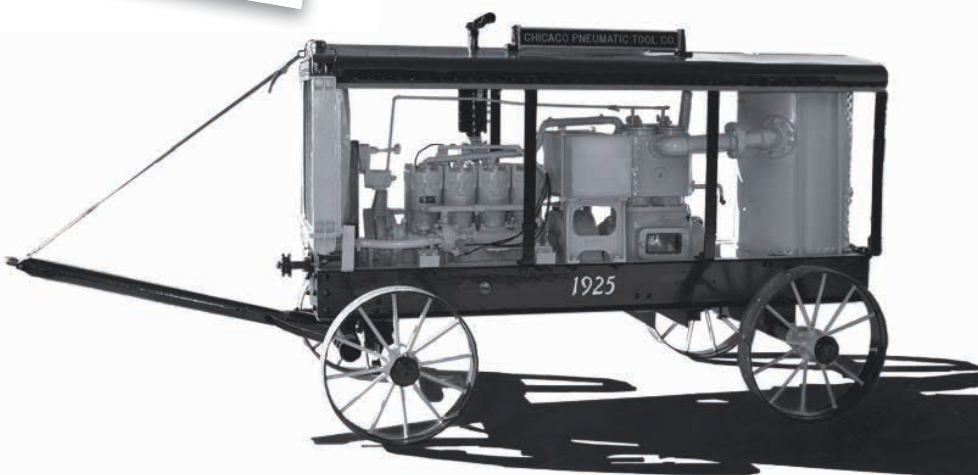
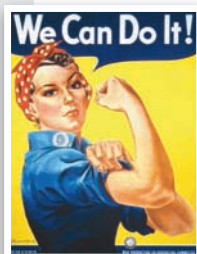
SYMBOLS

 compression	 vessel
 pump	 engine
 electricity	 phase
 bar	 start
 refrigerating gas	 connection gas
 size	 weight
 noise	 dryer
 screw	 piston
 non-continuous use	 intensive use
 continuous use piston	 continuous use screw
 standard air	 dry/oilless air
 call for information	 size of air output

sds: Star Delta
dol: Direct Online

Decades of innovation

- 1901** First single-valve pneumatic hammer
- 1904** First electric tools and railway speed recorder
- 1910** Quarry drills
- 1911** Engines for cars and trucks
- 1912** Simplate valve
- 1912** Two-cycle semi-diesel engine for compressors
- 1925** Rotary oil-well drilling equipment
- 1925** Engine manufacturing
- 1939** First impact wrench
- 1943** **"Rosie the Riveter" appears in this "We Can Do It" image and on Norman Rockwell's famous Saturday Evening Post cover, holding a Chicago Pneumatic riveting hammer on her lap.**
- 1957** Portable broach puller, construction impact wrenches
- 1960s** Tools customized for Boeing 737 and 747, Lockheed L1011 and C5A, Douglas DC-10, new Concorde
- 1971** Crimpnut tool - a breakthrough in critical joints for vehicle assembly
- 1970s** Patented two-jaw clutch for impact wrenches
- 1981** CP341 Pneudraulic riveter
- 1990** CP789H reversible drill, CP828H ratchet, CP854 angle grinders
- 2000** Governed, oil-free grinders
- 2007** Magnesium & composite impact wrenches
- 90s** Hundreds of application specific products for construction, demolition, vehicle maintenance, heavy equipment maintenance, manufacturing and other industries
- 2010** The new Chicago Pneumatic is born.



Our history

Founded over 100 years ago by a guy who saw a need to fill, Chicago Pneumatic has a strong history of constantly looking for new ways to meet your needs, today and tomorrow.

Way back in 1889 John W. Duntley realized that construction workers in particular had a need for many tools that weren't yet available. He founded Chicago Pneumatic Tool Company and set out on a lifelong mission to provide all types of industries and companies the tools necessary for their success.

Over the years Duntley grew the company through product innovation, always insisting on product quality and reliability. The name Chicago Pneumatic became known and appreciated by workers around the world for durable, reliable tools that made tough jobs easier and were designed to meet specific needs.

Today, Chicago Pneumatic is a global brand that offers products for almost every industry and countless applications. And we're proud to say Chicago Pneumatic still stands for reliability, durability and customer value.

Building on success

Whether you maintain a fleet of trucks or manufacture windmills, your experience of our compressors, tools and equipment is key to our product development and continued success. It is our mission to keep you productive at all times.

Our product offer

Our focus on your industry

Chicago Pneumatic is the perfect partner for industrial projects with piston compressors, rotary screw compressors, and compressed air solutions for a wide range of applications and the automotive industry. We also offer hundreds of tools designed to meet specific needs of the industry: impact wrenches, ratchet wrenches, screwdrivers, drills, grinders, sanders and polishers, cutting tools, and a whole lot more.



Our focus on construction

Chicago Pneumatic is also active in the construction business. with portable compressors and generators. All are built to withstand tough conditions. They are easy to move and ideally suited for construction site use. Also construction tools (handheld hydraulic, pneumatic and petrol-driven tools, rig-mounted hydraulic breakers), light compaction and concrete equipment are part of our construction offerings.

Check our full offer on www.cp.com



People.

Chicago Pneumatic people – product designers, sales technicians, distributors, customers – all have something in common. We are **passionate about performance**. We know that every Chicago Pneumatic power tool, compressor, generator, breaker and paver is perfectly suited to a specific customer need. We are proud of Chicago Pneumatic's over 100-year-long history, and love showing off the latest Chicago Pneumatic product innovation.

Passion.

For Chicago Pneumatic people, **performance** isn't just about products. We place a value on our business partners' and customers' performance, and do our best to make it as easy as possible to work with Chicago Pneumatic. We collaborate, helping each other be even more productive, and showing how Chicago Pneumatic products work better together.

Performance.

Chicago Pneumatic people are passionate about performance – passionate about our own professional performance, the performance of our products and the performance of our colleagues and partners.

Chicago Pneumatic people are passionate about performance.

The right compressed air solution for every application

From the smallest quick fix task to the largest truck tire service garage, Chicago Pneumatic keeps your business running just the way you want it.

Chicago Pneumatic has since decades a heart for demanding industrial applications. We do not only have the right powerful tools, we also develop, produce and provide the right compressed air and aftermarket solutions that meet your toughest demands.

Your efficiency and productivity, our bottom line.

Check our full offer on www.cp.com



The 6 things you should consider when buying a compressor

Check if you have enough power to operate your compressor requirement. When you consider buying a compressor, the offer is wide and can appear quite complex. Here are 6 basic rules to help you finding the compressor that suits your needs.

1. Define the tools you will work with to define the total Free Air Delivery requirements (FAD). FAD is often expressed in CFM (cubic feet per minute) or l/m (liter per minute)

To select the right compressor, you need to know the total CFM of all your individual air applications. Add an additional margin of 25% to cover inefficiencies in your network and future growth. FAD is the most important selection criterium.

Required CFM = (CFM tool 1 + CFM tool 2 + CFM tool n) + 25% of total CFM

2. Define your electrical requirements

Check if you need a 1 phase or 3 phase compressor. When you have variable flow requirements and more than 5 minutes load, consider a frequency driven compressor. Most of the time, your air consumption will not be constant, so you can gain a lot on energy efficiency.

3. Define the comfort you need in terms of noise level

With a separate compressor room and an air network, there are less requirements considering the compressor noise level. If you want to position your device close to your working area, silenced compressors are ideal for you.

4. Define the accessories you need

You have delicate air equipment or care extra about the environment, so you need special clean or dry air? Quality Air solutions like dryers and filters exist in many forms, separate or integrated if you require moisture free air.

5. Check the quality label

For an optimal return on investment, look for guarantees, like ISO conformity and genuine parts so you can enjoy a long, safe and efficient lifetime of your compressor.

6. Check ease of maintenance, parts and service availability

Check serviceability of the device, service intervals and if easy access to genuine parts and services is guaranteed.

You want to verify your choice? Our team is ready to support you with their professional advice on Chicago Pneumatic compressors.

Check out your nearest contact at www.cp.com

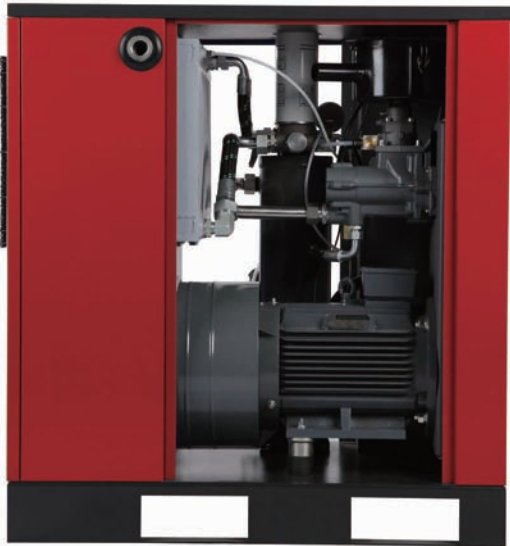








CPA Belt driven Rotary Screw Compressors From 7,5 To 20 HP

CPA Base

A design where everything is rational. Particular care has been taken to resolving air circulation problems inside the machine. The use of quality reliable components allows optimal performance form an excellent screw air end.



CPA series: Floor Mounted

Technology	 Screw
Use	 Continuous
Air quality	 Standard
Noise level	 Silent



User benefits



Low noise levels

Insulation foam, deflection and anti-vibration pads assure low noise levels.



Easy and fast maintenance

Enabled by good positioning of service items: belts, oil and filters.



Advanced control and monitoring

Accurate control to work at the most optimal conditions.



Built to last

Designed for continuous duty and very hard working conditions.

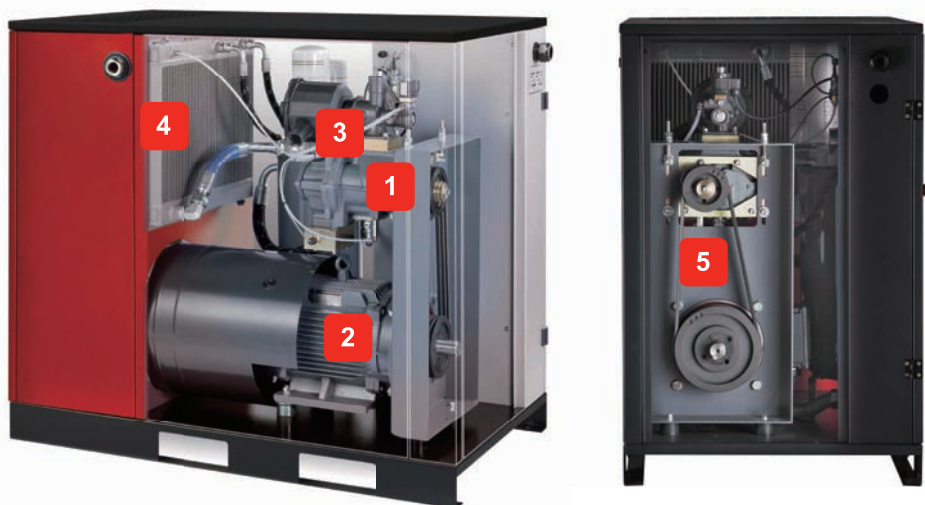
Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPA 7,5/8	804	48	28	7,5	5,5	8	116	220V/3ph/60Hz 380V/3ph/50Hz 380V/3ph/60Hz 400V/3ph/50Hz	980 x 645 x 1040	sds	65	¼	255
CPA 7,5/10	629	38	22	7,5	5,5	10	145		980 x 645 x 1040	sds	65	¼	255
CPA 7,5/13	517	31	18	7,5	5,5	13	189		980 x 645 x 1040	sds	65	¼	255
CPA 10/8	1128	68	40	10	7,5	8	116		980 x 645 x 1040	sds	65	¼	255
CPA 10/10	1016	61	36	10	7,5	10	145		980 x 645 x 1040	sds	65	¼	260
CPA 10/13	785	47	28	10	7,5	13	189		980 x 645 x 1040	sds	65	¼	260
CPA 15/8	1603	96	57	15	11	8	116		980 x 645 x 1040	sds	66	¼	275
CPA 15/10	1417	85	50	15	11	10	145		980 x 645 x 1040	sds	66	¼	275
CPA 15/13	1166	70	41	15	11	13	189		980 x 645 x 1040	sds	66	¼	275
CPA 20/8	1897	114	67	20	15	8	116		980 x 645 x 1040	sds	66	¼	290
CPA 20/10	1689	101	60	20	15	10	145		980 x 645 x 1040	sds	66	¼	290
CPA 20/13	1476	89	52	20	15	13	189		980 x 645 x 1040	sds	66	¼	290

CPB Belt driven Rotary Screw Compressors From 20 To 40 HP

The CPB range are modern and up-to-dated rotary oil-injected screw compressors that serve a wide range of applications. Components have been widely tested and the compressors meet the highest quality standards.

Easy to use and simple maintenance together with low noise level are the stronger points of this range.

Easy maintenance: all components are easy to be reached as all panels can be removed easily. The design of all components guarantees easy access to the cabinet for any maintenance operation.



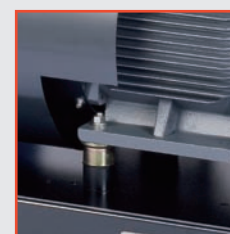
- 1 Time Proven High Performance Element
- 2 High Quality Drive Motor
- 3 Heavy Duty Inlet Air Filter
- 4 High Efficiency Air/Oil Cooler, 30% Enlarged
- 5 High Efficiency Transmission

CPB series: Floor Mounted

Technology	Screw
Use	Continuous
Air quality	Standard
Noise level	Silent



User benefits



Low noise levels

Insulation foam, deflectors and anti-vibration pads assure low noise levels.



Easy and fast maintenance

Enabled by good positioning of service items: belts, oil and filters.



Advanced control and monitoring

Accurate control to work at the most optimal conditions.



Built to last

Designed for continuous duty and very hard working conditions.



Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPB 20/8	2269	136	80	20	15	8	116	220V/3ph/60Hz 380V/3ph/50Hz 380V/3ph/60Hz 400V/3ph/50Hz	1330 x 780 x 1220	sds	64	G1	400
CPB 20/10	2091	125	74	20	15	10	145		1330 x 780 x 1220	sds	64	G1	400
CPB 20/13	1654	99	58	20	15	13	189		1330 x 780 x 1220	sds	64	G1	400
CPB 25/8	2863	172	101	25	18,5	8	116		1330 x 780 x 1220	sds	68	G1	430
CPB 25/10	2688	161	95	25	18,5	10	145		1330 x 780 x 1220	sds	68	G1	430
CPB 25/13	2186	131	77	25	18,5	13	189		1330 x 780 x 1220	sds	68	G1	430
CPB 30/8	3404	204	120	30	22	8	116		1330 x 780 x 1220	sds	68	G1	450
CPB 30/10	3011	181	106	30	22	10	145		1330 x 780 x 1220	sds	68	G1	450
CPB 30/13	2633	158	93	30	22	13	189		1330 x 780 x 1220	sds	68	G1	450
CPB 40/8	3995	240	141	40	30	8	116		1330 x 780 x 1220	sds	69	G1	500
CPB 40/10	3558	213	126	40	30	10	145		1330 x 780 x 1220	sds	69	G1	500
CPB 40/13	2953	177	104	40	30	13	189		1330 x 780 x 1220	sds	69	G1	500



CPA/CPB Belt driven DRY Rotary Screw Compressors With Tank + Dryer From 7,5 To 40 HP






CPA/CPB DRY

Chicago Pneumatic designed this new range of all-in-one compressed air centre solutions to meet the needs and demands of today's industrial users. Our compressors are built on the back of a strong reputation for delivering quality, top performing products following many years of industry experience.



CPA/CPB DRY series: Receiver Mounted + Dryer



Technology	 Screw
Use	 Continuous
Air quality	 High
Noise level	 Silent
Vessel size	 CPA: 500L CPB: 560L

User benefits



Low noise levels

Insulation foam, deflectors and anti-vibration pads assure low noise levels.



Easy and fast maintenance

Enabled by good positioning of service items: belts, oil and filters.



Advanced control and monitoring

Accurate control to work at the most optimal conditions.



Built to last

Designed for continuous duty and very hard working conditions.



All in one solution

Compact air centre with dry treated air tank storage.

Type	tank	l/m	m³/h	cfm	HP	kW	bar	psi	volt	Refrigerant	kW	L x W x H (mm)	Start	dB(A)	connection gas	Kg	Type	tank	l/m	m³/h	cfm	HP	kW	bar	psi	volt	Refrigerant	kW	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPA 7,5/8-DRY500T	500L	804	48	28	7,5	5,5	8	116	220V/3ph/60Hz 380V/3ph/50Hz 400V/3ph/50Hz	R410A	0,61	2000 x 645 x 1830	sds	65	G¼	545	CPB 20/8-DRY560T	560L	2269	136	80	20	15	8	116	220V/3ph/60Hz 380V/3ph/50Hz 400V/3ph/50Hz	R410A	0,87	1700 x 780 x 2010	sds	64	G1	790
CPA 7,5/10-DRY500T	500L	629	38	22	7,5	5,5	10	145		R410A	0,61	2000 x 645 x 1830	sds	65	G¼	545	CPB 20/10-DRY560T	560L	2091	125	74	20	15	10	145		R410A	0,87	1700 x 780 x 2010	sds	64	G1	790
CPA 7,5/13-DRY500T	500L	517	31	18	7,5	5,5	13	189		R410A	0,61	2000 x 645 x 1830	sds	65	G¼	545	CPB 20/13-DRY560T	560L	1654	99	58	20	15	13	189		R410A	0,87	1700 x 780 x 2010	sds	64	G1	790
CPA 10/8-DRY500T	500L	1128	68	40	10	7,5	8	116		R410A	0,61	2000 x 645 x 1830	sds	65	G¼	545	CPB 25/8-DRY560T	560L	2863	172	101	25	18,5	8	116		R410A	0,87	1700 x 780 x 2010	sds	68	G1	800
CPA 10/10-DRY500T	500L	1016	61	36	10	7,5	10	145		R410A	0,61	2000 x 645 x 1830	sds	65	G¼	550	CPB 25/10-DRY560T	560L	2688	161	95	25	18,5	10	145		R410A	0,87	1700 x 780 x 2010	sds	68	G1	800
CPA 10/13-DRY500T	500L	785	47	28	10	7,5	13	189		R410A	0,61	2000 x 645 x 1830	sds	65	G¼	550	CPB 25/13-DRY560T	560L	2186	131	77	25	18,5	13	189		R410A	0,87	1700 x 780 x 2010	sds	68	G1	800
CPA 15/8-DRY500T	500L	1603	96	57	15	11	8	116		R410A	0,67	2000 x 645 x 1830	sds	66	G¼	615	CPB 30/8-DRY560T	560L	3404	204	120	30	22	8	116		R410A	1,07	1700 x 780 x 2010	sds	68	G1	830
CPA 15/10-DRY500T	500L	1417	85	50	15	11	10	145		R410A	0,67	2000 x 645 x 1830	sds	66	G¼	615	CPB 30/10-DRY560T	560L	3011	181	106	30	22	10	145		R410A	1,07	1700 x 780 x 2010	sds	68	G1	830
CPA 15/13-DRY500T	500L	1166	70	41	15	11	13	189		R410A	0,67	2000 x 645 x 1830	sds	66	G¼	615	CPB 30/13-DRY560T	560L	2633	158	93	30	22	13	189		R410A	1,07	1700 x 780 x 2010	sds	68	G1	830
CPA 20/8-DRY500T	500L	1897	114	67	20	15	8	116		R410A	0,67	2000 x 645 x 1830	sds	66	G¼	630	CPB 40/8-DRY560T	560L	3995	240	141	40	30	8	116		R410A	1,07	1700 x 780 x 2010	sds	69	G1	870
CPA 20/10-DRY500T	500L	1689	101	60	20	15	10	145		R410A	0,67	2000 x 645 x 1830	sds	66	G¼	630	CPB 40/10-DRY560T	560L	3558	213	126	40	30	10	145		R410A	1,07	1700 x 780 x 2010	sds	69	G1	870
CPA 20/13-DRY500T	500L	1476	89	52	20	15	13	189		R410A	0,67	2000 x 645 x 1830	sds	66	G¼	630	CPB 40/13-DRY560T	560L	2953	177	104	40	30	13	189		R410A	1,07	1700 x 780 x 2010	sds	69	G1	870







CPC/CPD Belt driven Rotary Screw Compressors From 40 To 100 HP

High efficiency cooling and low power consumption make the CPC and CPD the ideal choice for processes requiring constant air flow at a steady pressure.

Load/no-load control with shutdown function increase the compressor life and provide energy savings. Thus you get reliable supply of compressed air at minimum cost.

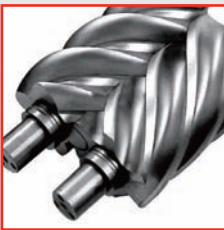


CPC series: Floor Mounted

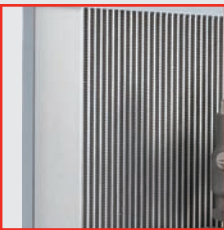
Technology	 Screw
Use	 Continuous
Air quality	 Standard
Noise level	 Standard



User benefits



Built to last
Designed for high efficiency and continuous duty under hard working conditions.



High efficiency cooling
Large oversized cooling, designed for demanding conditions.



Two stage filtration
Improved double stage intake filtration protects internal components.



Advanced control and monitoring
Accurate control to work at the most optimal conditions.



Accessibility of parts
All consumables on same side of the machine, easy to access.







Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPC 40/8	5070	304	179	40	30	8	116	220V/3ph/60Hz 380V/3ph/50Hz 380V/3ph/60Hz 400V/3ph/50Hz	1100 x 1365 x 1510	sds	69	G1 ¼	820
CPC 40/10	4519	271	160	40	30	10	145		1100 x 1365 x 1510	sds	69	G1 ¼	820
CPC 40/13	4006	240	142	40	30	13	189		1100 x 1365 x 1510	sds	69	G1 ¼	820
CPC 50/8	6340	380	224	50	37	8	116		1100 x 1365 x 1510	sds	70	G1 ¼	840
CPC 50/10	5672	340	200	50	37	10	145		1100 x 1365 x 1510	sds	70	G1 ¼	840
CPC 50/13	4742	285	168	50	37	13	189		1100 x 1365 x 1510	sds	70	G1 ¼	840
CPC 60/8	7570	454	267	60	45	8	116		1100 x 1365 x 1750	sds	71	G1 ½	970
CPC 60/10	6758	406	239	60	45	10	145		1100 x 1365 x 1750	sds	71	G1 ½	970
CPC 60/13	6013	361	212	60	45	13	189		1100 x 1365 x 1750	sds	71	G1 ½	970



CPD series: Floor Mounted



- 1 Time Proven High Performance Element
- 2 Heavy Duty Inlet Air Filter
- 3 High Efficiency Air/Oil Cooler, 30% Enlarged
- 4 High Efficiency Transmission

Technology	 Screw
Use	 Continuous
Air quality	 Standard
Noise level	 Standard



User benefits



Built to last
Designed for high efficiency and continuous duty under hard working conditions.



High efficiency cooling
Large oversized cooling, designed for demanding conditions.



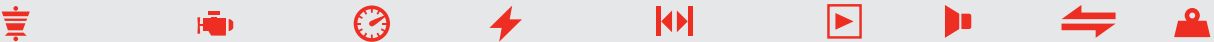
Two stage filtration
Improved double stage intake filtration protects internal components.



Advanced control and monitoring
Accurate control to work at the most optimal conditions.



Accessibility of parts
All consumables on same side of the machine, easy to access.



Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPD 75/8	9827	590	347	75	55	8	116	220V/3ph/60Hz 380V/3ph/50Hz 380V/3ph/60Hz 400V/3ph/50Hz	1100 x 1955 x 1790	sds	71	G1 ½	1335
CPD 75/10	8561	514	302	75	55	10	145		1100 x 1955 x 1790	sds	71	G1 ½	1335
CPD 75/13	7511	451	265	75	55	13	189		1100 x 1955 x 1790	sds	71	G1 ½	1335
CPD 100/8	11830	710	418	100	75	8	116		1100 x 1955 x 1790	sds	74	G1 ½	1465
CPD 100/10	10939	656	386	100	75	10	145		1100 x 1955 x 1790	sds	74	G1 ½	1465
CPD 100/13	9578	575	338	100	75	13	189		1100 x 1955 x 1790	sds	74	G1 ½	1465







CPC/CPD/CPE Gear driven Rotary Screw Compressors From 40-125 HP

Thanks to the robust design of the gear driven range, you can rely on high quality compressed air for the most demanding applications. The maintenance-free heavy duty gear drive eliminates losses and maximizes productivity.

While components are carefully selected assuring quality and reliability, installation and maintenance is kept simple thanks to the easy accessibility. On top, cooling performance is guaranteed by the oversized cooler package and the cooling fan with sickle blade profile is designed to deliver a high cooling flow at a low noise level.

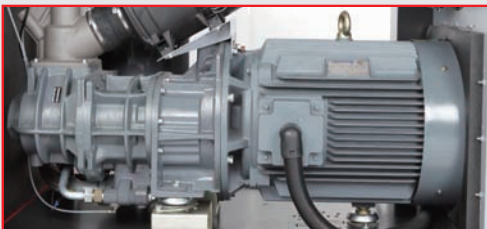


CPC/CPD/CPE Gear Driven series: Floor Mounted

Technology	 Screw
Use	 Continuous
Air quality	 Standard
Noise level	 Standard



User benefits



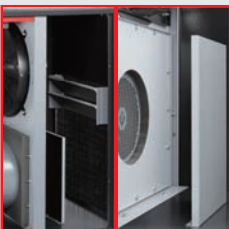
State of the art screw element
Extraordinary efficient drive train

Unique 4/6 screw air ends for premium performance. Gear drive eliminates transmission losses and reduces running cost.



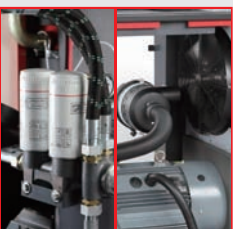
Powerful cooling system

Efficient cooling fan and oversized coolers for demanding conditions.



Extremely silent

The unique baffler design results in extremely low noise levels.



Efficient air filtration

Protects internal components from contamination.



Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	start	dB(A)	connection	gas	Kg
CPB15G/8	1833	110	65	15	11	8	116	380V/3ph/50Hz 380V/3ph/60Hz 400V/3ph/50Hz	1450 X 780 X 1200	sds	68	G1	G3/4	445
CPB15G/10	1550	93	55	15	11	10	145		1450 X 780 X 1200	sds	68	G1	G3/4	445
CPB 20G/8	2402	144	85	20	15	8	116		1450 X 780 X 1200	sds	68	G1	G3/4	455
CPB 20G/10	2206	132	78	20	15	10	145		1450 X 780 X 1200	sds	68	G1	G3/4	455
CPB 25G/8	3044	183	108	25	18.5	8	116		1450 X 780 X 1200	sds	69	G1	G3/4	470
CPB 25G/10	2614	157	92	25	18.5	10	145		1450 X 780 X 1200	sds	69	G1	G3/4	470
CPB 30G/8	3607	216	127	30	22	8	116		1450 X 780 X 1200	sds	69	G1	G3/4	485
CPB 30G/10	3160	190	112	30	22	10	145		1450 X 780 X 1200	sds	69	G1	G3/4	485
CPC 40G/8	5280	317	187	40	30	8	116		1680x950x1500	sds	65	1" ½		810
CPC 40G/10	4762	286	168	40	30	10	145		1680x950x1500	sds	65	1" ½		810
CPC 40G/13	4200	252	148	40	30	13	189		1680x950x1500	sds	65	1" ½		810
CPC 50G/8	6720	403	237	50	37	8	116		1680x950x1500	sds	66	1" ½		835
CPC 50G/10	6000	360	212	50	37	10	145		1680x950x1500	sds	66	1" ½		835
CPC 50G/13	4920	295	174	50	37	13	189		1680x950x1500	sds	66	1" ½		835
CPC 60G/8	7860	472	278	60	45	8	116		1680x950x1500	sds	67	1" ½		855
CPC 60G/10	7077	425	250	60	45	10	145		1680x950x1500	sds	67	1" ½		855
CPC 60G/13	6300	378	223	60	45	13	189		1680x950x1500	sds	67	1" ½		855
CPD 75G/8	10140	608	358	75	55	8	116		2260x1060x1595	sds	71	2"		1250
CPD 75G/10	9000	540	318	75	55	10	145		2260x1060x1595	sds	71	2"		1250
CPD 75G/13	7920	475	280	75	55	13	189		2260x1060x1595	sds	71	2"		1250
CPD 100G/8	12384	743	437	100	75	8	116		2260x1060x1595	sds	72	2"		1315
CPD 100G/10	11400	684	403	100	75	10	145		2260x1060x1595	sds	72	2"		1315
CPD 100G/13	10140	608	358	100	75	13	189		2260x1060x1595	sds	72	2"		1315
CPE 100/8	14340	860	507	100	75	8	116		2260x1060x1595	sds	72	2"		1530
CPE 100/10	12600	756	445	100	75	10	145		2260x1060x1595	sds	72	2"		1530
CPE 100/13	10800	648	381	100	75	13	189		2260x1060x1595	sds	72	2"		1530
CPE 120/8	16800	1008	593	125	90	8	116		2260x1060x1595	sds	73	2"		1680
CPE 120/10	15300	918	540	125	90	10	145		2260x1060x1595	sds	73	2"		1680
CPE 120/13	12600	756	445	125	90	13	189		2260x1060x1595	sds	73	2"		1680







CPVS Gear driven Variable Speed Compressors From 40 To 125HP

The Chicago Pneumatic CPVS variable speed compressor series allows you to drastically reduce your operating costs when your compressed air system is not working at full capacity all day long. Basically the inverter reduces the motor speed to match your air consumption, and as a result, you save energy and money.

The CPVS is great as a stand-alone machine or networked to a load-unload Chicago Pneumatic compressor where it can function as a master and regulate the air delivery for the whole site.



CPVS series: Floor Mounted

Technology	 Screw
Use	 Continuous
Air quality	 Standard
Noise level	 Standard



User benefits



CPVS saves money

Our technology reduces the operating cost for your compressed air system by over 20%.



Perfectly matched inverter

Leading inverter brand is perfectly matched to electric motor and air end for maximum energy savings.



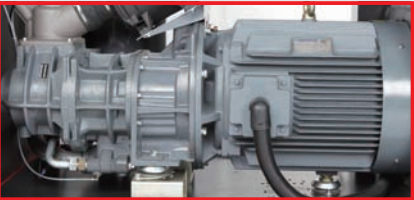
Built to last

Designed for continuous duty and perfectly matched to the inverter speed regulation.



Advanced control and monitoring

Accurate control to work at the most optimal conditions.



State of the art screw element

Unique 4/6 screw air ends for premium performance. Gear drive eliminates transmission losses and reduces running cost.

Extraordinary efficient drive train



Type	l/m	m³/h	cfm	HP	kW	bar	psi	volt	L x W x H (mm)	Start	dB(A)	connection gas	Kg
CPVS 20/8	900	54	32	20	15	8	116		1450 x780 x1200	IVR	68	G1	465
	2280	137	81							IVR			
CPVS 20/10	780	47	28	20	15	10	145		1450 x780 x1200	IVR	68	G1	465
	2100	126	74							IVR			
CPVS 25/8	1140	68	40	25	18.5	8	116		1450 x780 x1200	IVR	69	G1	490
	2880	173	102							IVR			
CPVS 25/10	960	58	34	25	18.5	10	145		1450 x780 x1200	IVR	69	G1	490
	2460	148	87							IVR			
CPVS 30/8	1440	86	51	30	22	8	116		1450 x780 x1200	IVR	69	G1	510
	3420	205	121							IVR			
CPVS 30/10	1200	72	42	30	22	10	145		1450 x780 x1200	IVR	69	G1	510
	3000	180	106							IVR			
CPVS 40/8	1802	108	64	40	30	8	116	380V/3ph/50Hz 380V/3ph/60Hz 400V/3ph/50Hz	1680 x950 x1500	IVR	65	1" ½	850
	5040	302	178							IVR			
CPVS 40/10	1484	89	52	40	30	10	145		1680 x950 x1500	IVR	65	1" ½	850
	4440	266	157							IVR			
CPVS 50/8	2239	134	79	50	37	8	116		1680 x950 x1500	IVR	66	1" ½	850
	6120	367	216							IVR			
CPVS 50/10	1830	110	65	50	37	10	145		1680 x950 x1500	IVR	66	1" ½	850
	5520	331	195							IVR			
CPVS 60/8	2722	163	96	60	45	8	116		1680 x950 x1500	IVR	67	1" ½	890
	7380	443	261							IVR			
CPVS 60/10	2296	138	81	60	45	10	145		1680 x950 x1500	IVR	67	1" ½	890
	6540	392	231							IVR			
CPVS 75/8	3180	191	112	75	55	8	116		2260 x1060 x1595	IVR	72	2"	1450
	9480	569	335							IVR			
CPVS 75/10	2700	162	95	75	55	10	145		2260 x1060 x1595	IVR	72	2"	1450
	8220	493	290							IVR			
CPVS 95/8	4260	256	151	95	75	8	116		2260 x1060 x1595	IVR	72	2"	1450
	12180	731	430							IVR			
CPVS 95/10	3660	220	129	95	75	10	145		2260 x1060 x1595	IVR	72	2"	1515
	10800	648	382							IVR			
CPVS 100/8	4440	266	157	100	75	8	116		2260 x1060 x1595	IVR	72	2"	1690
	13500	810	477							IVR			
CPVS 100/10	3660	220	129	100	75	10	145	2260 x1060 x1595	IVR	72	2"	1690	
	11580	695	409						IVR				
CPVS 120/8	5400	324	191	125	90	8	116	2260 x1060 x1595	IVR	73	2"	1750	
	16140	968	570						IVR				
CPVS 120/10	4260	256	151	125	90	10	145	2260 x1060 x1595	IVR	73	2"	1750	
	13260	796	469						IVR				

Top air quality for high end equipment and processes

- Dry quality air prolongs the life of process equipment and provide superior production quality.
- Preventing equipments from corrosion by removing water vapour during compression process.
- Compact, high efficient device to meet continuous air demand.
- Ease of installation with small footprint.



- 1 Refrigerant compressor
- 2 Condenser
- 3 Heat exchanger with high thermal exchange and low pressure drop
- 4 Automatic condensate discharge
- 5 Dewpoint indicator

CPX series: Refrigerant Dryers

Technology	 Refrigerant dryer
Air quality	 Dry



Easy dew point indicator



Intelligent comfort drain



Type	m³/h	cfm	kW	Max. bar	volt/Hz	L x W x H (mm)	Refrig. gas	connection gas	Kg
CPX 10	25	15	0,18	16	230V/1ph/50Hz	550 x 350 x 484	R134a	R ¾	19
CPX 20	47	28	0,20	16	230V/1ph/50Hz	550 x 350 x 484	R134a	R ¾	19
CPX 30	58	34	0,22	16	230V/1ph/50Hz	550 x 350 x 484	R134a	R ¾	20
CPX 40	83	49	0,25	16	230V/1ph/50Hz	550 x 350 x 484	R134a	R ¾	25
CPX 60	108	64	0,30	16	230V/1ph/50Hz	550 x 350 x 484	R134a	R ¾	27
CPX 80	169	100	0,50	13	230V/1ph/50Hz	500 x 370 x 804	R410A	G 1	44
CPX 100	216	127	0,55	13	230V/1ph/50Hz	500 x 370 x 804	R410A	G 1	44
CPX 125	259	153	0,60	13	230V/1ph/50Hz	560 x 460 x 829	R410A	G 1	53
CPX 150	288	169	0,80	13	230V/1ph/50Hz	560 x 460 x 829	R410A	G 1	60
CPX 180	374	220	1,00	13	230V/1ph/50Hz	560 x 460 x 829	R410A	G1 ½	65
CPX 225	468	275	1,20	13	230V/1ph/50Hz	560 x 580 x 939	R410A	G1 ½	80
CPX 270	558	328	1,30	13	230V/1ph/50Hz	560 x 580 x 939	R410A	G1 ½	80
CPX 350	720	424	1,60	13	400V/3ph/50Hz	978 x 735 x 1002	R410A	G2 ½	128
CPX 425	864	508	1,90	13	400V/3ph/50Hz	978 x 735 x 1002	R410A	G2 ½	146
CPX 530	1026	604	2,10	13	400V/3ph/50Hz	978 x 735 x 1002	R410A	G2 ½	158
CPX 700	1188	699	2,40	13	400V/3ph/50Hz	978 x 735 x 1002	R410A	G2 ½	165
CPX 850	1440	848	3,90	13	400V/3ph/50Hz	1082 x 1020 x 1560	R404A	G2 ½	325
CPX 1000	1800	1060	4,46	13	400V/3ph/50Hz	1082 x 1020 x 1560	R404A	G2 ½	335
CPX 1200	2100	1236	5,55	13	400V/3ph/50Hz	1082 x 1020 x 1560	R404A	G2 ½	350
CPX 1700	3000	1766	6,80	13	400V/3ph/50Hz	2099 x 1020 x 1560	R404A	DN125	550
CPX 2500	4200	2374	10,20	13	400V/3ph/50Hz	2099 x 1020 x 1560	R404A	DN125	600

Notes:

- 1 Reference conditions:
 - Operating pressure: 7 bar (100 psi)
 - Operating temperature: 35 °C
 - Room temperature: 25 °C

Limit conditions:

- Working pressure:
 16 bar (232 psi) CPX 10-60
 13 bar (188 psi) CPX 80-2500
 - Operating temperature: 55 °C
 - Min/Max room temperature: +5 °C; +45 °C

Correction factor for conditions differing from the project K = A x B x C

°C														°C						
25 30 35 40 45														30 35 40 45 50 55						
Room temperature	A	1,00	0,92	0,84	0,80	0,74	(CPX 10-270) (CPX 350-2500)	Operating temperature	B	1,24	1,00	0,82	0,69	0,58	0,45	(CPX 10-270) (CPX 350-2500)				
		1,00	0,91	0,81	0,72	0,62				1,00	1,00	0,82	0,69	0,58	0,49					
Operation pressure	bar	5	6	7	8	9	10	11	12	13	14	15	16							
	C	0,90	0,96	1,00	1,03	1,06	1,08	1,10	1,12	1,13	1,15	1,16	1,17	(CPX 10-270)						
		0,90	0,97	1,00	1,03	1,05	1,07	1,09	1,11	1,12						(CPX 350-2500)				



High efficiency line filter

- Today, the equipment is more sophisticated which requires the compressed air to be free of any impurities.
- Atmospheric air contains in its origin many impurities which once compressed (and combined with the oil, in the case of oil-injected compressors) may generate abrasive and corrosive emulsions which can damage the distribution lines, the pneumatic devices, and the product itself.
- There are six different types of filters to purify the compressed air.
- Thanks to filters, productivity, quality and reliability are increased, the wear of the distribution network is limited and breakdowns are prevented instead of cured.



Compressed air according to ISO 8573-1:2010

Purity Class	Solid particles			Water		Total Oil*
	Number of particles per m³			Pressure dewpoint		Concentration
	0,1 - 0,5 µm	0,5 -1,0 µm	1,0 - 5,0 µm	°C	°F	mg/m³
0	As specified by the equipment user or supplier and more stringent than Class 1.					
1	≤ 20.000	≤ 400	≤ 40	≤ -70	≤ -94	≤ 0,01
2	≤ 400.000	≤ 6.000	≤ 100	≤ -40	≤ -40	≤0,1
3	-	≤ 90.000	≤ 1000	≤ -20	≤ -4	≤ 1
4	-	-	≤ 10.000	≤ 3	≤ 37,4	≤ 5
5	-	-	≤ 100.000	≤ 7	≤ 44,6	-
6	≤ 5 µm/m³			≤ 10	≤ 50	-

* Liquid, aerosol and vapour.

Filter type	Nominal Capacity*			Maximum pressure		Connections/ port thread	Dimensions			Free space for cartridge replacement	Weight
	l/min	m ³ /h	cfm	bar	psi		A	B	C		
FILTER 45	720	43	25	16	232	3/8"	90	21	228	75	1
FILTER 90	1500	90	53	16	232	1/2"	90	21	228	75	1,1
FILTER 125	2100	126	74	16	232	1/2"	90	21	283	75	1,3
FILTER 180	3000	180	106	16	232	3/4"	110	27,5	303	75	1,9
FILTER 180	3000	180	106	16	232	1"	110	27,5	303	75	1,9
FILTER 290	4800	288	170	16	232	1"	110	27,5	343	75	2,1
FILTER 505	8400	504	297	16	232	1 1/2"	140	34	449	100	4,2
FILTER 685	11400	684	403	16	232	1 1/2"	140	34	532	100	4,5
FILTER 935	15600	936	551	16	232	1 1/2"	140	34	532	100	4,6
FILTER 1295	21600	1296	763	16	232	2"	179	50	618	150	6,9
FILTER 1295	21600	1296	763	16	232	2 1/2"	179	50	618	150	6,9
FILTER 1890	31500	1890	1112	16	232	3"	210	57	720	200	11,0
FILTER 2430	40500	2430	1430	16	232	3"	210	57	890	200	12,6

* Reference condition: pressure 7 bar (102 psi). Maximum operating temperature of 66°C, and 35°C, only for V series. Minimum operating temperature of 1°C.

For other compressed air inlet pressures, multiply the filter capacity by the following correction factors:

Inlet pressure (bar)	1	2	3	4	5	6	7	8	10	12	14	16
Inlet pressure (psig)	15	29	44	58	72,5	87	102	116	145	174	203	232
Correction factor	0,38	0,53	0,65	0,75	0,83	0,92	1	1,06	1,2	1,31	1,41	1,5



Innovative design concept

- 1 Enjoy a reduced pressure drop and increased savings thanks to the unique head design.
- 2 A venting hole will give an audible alarm if the filter is dismantled under pressure.
- 3 Removing the filter bowl is an easy job as the external ribs allow for a firm grip on the filter.
- 4 No need to worry about corrosion. The die cast aluminum housing with special anodized treatment protects our filters both on the inside and the outside
- 5 Easy monitoring via sight glass.
- 6 Smooth draining of the filter ensures a reliable performance. This is guaranteed by our high performance automatic drain (G - C - P) and manual drain (V - S - D).



- Pressure gauge
- Voltage free contact mounted on the differential pressure gauge to give remote indication of the cartridge replacement



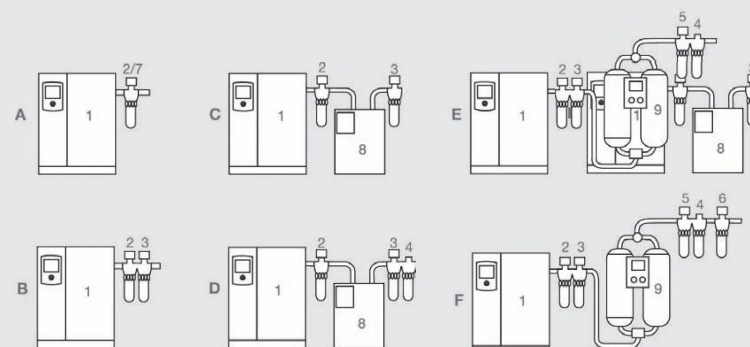
- Pressure indicator
- Serial Connection Kit allows easy mounting on filters in series
- Wall mounting kit to simplify the installation



- Quick coupling for easy connection to fix an intelligent drain with no loss of compressed air.

Typical installations:

1. Compressor with after-cooler
2. G filter
3. C filter
4. V filter
5. S filter
6. D filter
7. P Filter
8. Refrigerant dryer
9. Adsorption dryer



A. General purpose protection

(air purity to ISO 8573-1: G filter class 2:-:3 & P filter class 4:-:3)

B. General purpose protection and reduced oil concentration

(air purity to ISO 8573-1: class 1:-:2)

C. High quality air with reduced dew point

(air purity to ISO 8573-1: class 1:4:2)

D. High quality air with reduced dew point and oil concentration

(air purity to ISO 8573-1: class 1:4:1)

E. High quality air with extremely low dew point

(air purity to ISO 8573-1: class 2:2:1)

F. High quality air with extremely low dew point

(air purity to ISO 8573-1: class 1:2:1)

Note: A vertical receiver is always suggested.

The quality of air required throughout a typical compressed air system varies. Offering an extensive filter range, Chicago Pneumatic can always match your precise requirements, ensuring that all types of contamination are avoided and costs are reduced to an absolute minimum.

	S	D	G	C	P	V
Filter type	Solid particles	Solid particles	Oil aerosol & solid particles	Oil aerosol & solid particles	Oil aerosol & solid particles	Oil vapor
Test method	ISO 12500-3	ISO 12500-3	ISO 12500-1 ISO 8573-2	ISO 12500-1 ISO 8573-2	ISO 12500-1 ISO 12500-3 ISO 8573-2	ISO 8573-5
Inlet Oil Concentration (mg/m ³)	NA	NA	10	10	10	0,01
Count efficiency (% at MMPS)*	(MMPS=0,1 µm) 99,81	(MMPS=0,06 µm) 99,97	NA	NA	(MMPS=0,1 µm) 89,45	NA
Count efficiency (% at 1 µm)	99,97	99,999	NA	NA	94,19	NA
Count efficiency (% at 0,01 µm)	99,87	99,992	NA	NA	93,63	NA
Max oil carry-over (mg/m ³)	NA	NA	0,1	0,01	1	0,003
Dry pressure drop (mbar)	120	140	NA	NA	85	160
Wet pressure drop (mbar)**	NA	NA	205	240	115	NA
Wet pressure drop (mbar), in typical compressor installation	NA	NA	185	200	NA	NA
Element service	After 4.000 operating hours or 1 year or pressure drop > 350 mbar	After 4.000 operating hours or 1 year or pressure drop > 350 mbar	After 4.000 operating hours or 1 year	After 4.000 operating hours or 1 year	After 4.000 operating hours or 1 year	After 1.000 operating hours (at 20°C) or 1 year
Precede with	-	S	water separator	G	-	G & C

* MMPS = Most Penetrating Particle Size

** Inlet oil concentration = 10 mg/m³



Chicago Pneumatic Original Parts

Engineered lubricants



Chicago Pneumatic tailored coolants you can trust.

- 1. Do not limit warranty of compressor.
- 2. Maximum performance & efficiency.
- 3. Tested and approved for all applications & environments.
- 4. Increase significantly the reliability & minimizes risks absolutely.
- 5. Extending the compressors' lifetime.
- 6. Offer a firm grip on maintenance cost.

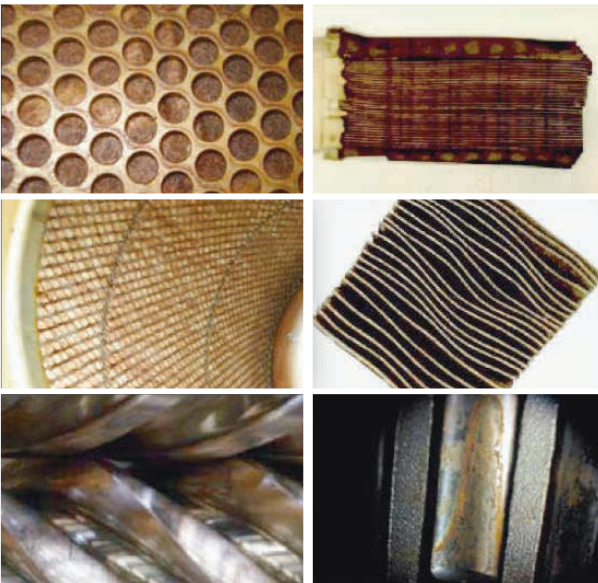
Lubricants are of vital importance.

Risks you can avoid

The use of low performance lubricants will damage irreversibly your equipment and lead to high maintenance and repair cost.

The consequences of poor performing lubricants can be:

- Main root cause of premature compression element failure.
- Wear of components, increased friction, cavitations.
- Reduced cooling, resulting in overheating bearings, compression elements and other components.
- Reduced critical clearance.
- Corrosion.
- Wrong ph, damage of parts, seals and internals.
- Varnish layer on internal parts (coolers, piping etc).
- Low performance, higher energy consumption, higher cost.
- Deposits.
- High unpredictable maintenance cost.
- Clogging of oil filter, separator and down stream air filters.
- Limited operation range.



ScrewGuard chemical properties are specifically engineered to maximize the reliability of every single component of your compressor.



Look for your quality assurance! Use Chicago Pneumatic Original Parts

Chicago Pneumatic is always at your service with comprehensive screw kits:

- Easy
- Guaranteed long lifetime
- Reliable operation
- All-in-one cost effectiveness



Description	Package Size	Order Number	Applications
ScrewGuard	5 L	6215 7140 00	Heavy industrial applications. Mild temperature environment. 2000h drain interval / 1 year.
	20 L	6215 7141 00	
	209 L	6215 7142 00	
ScrewGuard Plus	5 L	6215 7144 00	From low to high duty operation. Mild climate. 4000h drain interval / 1 year.
	20 L	6215 7145 00	
	209 L	6215 7146 00	
ScrewGuard Xtra	5 L	6215 7148 00	Fully synthetic lubricant. Long drain interval (8000h). High ambient condition.
	20 L	6215 7149 00	
	209 L	6215 7150 00	
ScrewGuard FoodGrade	20 L	6215 7153 00	Packaging & Food (4000h).

Installation



Operation diagram

